

Advisor's Checklist: Manufacturing Engineering Technology – Milford Campus

Student: _____ Advisor: Elaine Vavra

Quarter Entered: Summer 2018 Transition to Semesters _____ Quarter Graduating: June 2020

Goal: Associate of Applied Science Degree All courses listed are required, a 2.0 GPA is required for graduation

Course #	Course Title	Prerequisite(s) or Co-requisite Need a C or higher in non-competency courses below.	QTR Credits	Quarter	Grade
Summer Quarter July 2018					
MFGT1144	Engineering Drawing & Design I	None	5.0	SU18	
MFGT1350	AutoCAD for Manufacturing	None	3.0	SU18	
ENGL1110	Business Communications	Eligible for ENGL1010	4.5	SU18	
MACH1241	Machinery's Handbook	None	5.0	SU18	
BSAD1010	Microsoft Applications I	Prerequisites: Keyboarding skills and prior computer experience recommended.	4.5	SU18	
Total Credits – 1st Quarter			22.0		
Fall Quarter Oct. 2018					
MFGT1125	Materials of Industry	None	4.5	FA18	
MFGT1250	Engineering Drawing & Design II	MFGT1144, MFGT1350	3.5	FA18	
MFGT2559	Geometric Dimensioning & Tolerancing	MFGT1144	3.5	FA18	
MATH1050	Thinking Mathematically	MATH0950 or appropriate score on placement test	4.5	FA18	
ACFS2020	Career Development	None (First ½ of the quarter)	1.5	FA18	
Total Credits -2nd Quarter			17.5		
Winter Quarter Jan. 2019					
MFGT1354	Die Design	MFGT1250 and MFGT2559	5.0	WN19	
MFGT1421	Manufacturing Processes I	None	4.5	WN19	
MFGT2670	Autodesk Inventor	BSAD1010, MFGT1250, MFGT1350	5.0	WN19	
PHYS1017	Technical Physics	MATH1050	4.5	WN19	
Total Credits – 3rd Quarter			18.5		
Spring Quarter April 2019					
MFGT1362	Lean Facilities Planning	MFGT1250 and MFGT1350	3.0	SP19	
MFGT1413	Electrical Fundamentals	MATH1050	4.0	SP19	
MFGT1429	CNC for Automation	MFGT1421 and MFGT2670	3.5	SP19	
MFGT1456	Manufacturing Processes II	MFGT1421	4.0	SP19	
MFGT2680	Solid Works	MFGT2670	3.0	SP19	
Total Credits – 4th Quarter			17.5		
FIRST SEMESTER August 2019					
MFGT1333	Fluid Power for Manufacturing	MATH1050, MFGT1250, MFGT1413	2.5	FA SEM	
MFGT2566	Tooling Design	PHYS1017, or PHYS1150, MFGT2559, MFGT2680	5.0	FA SEM	
MFGT2620	PLCs in Work Cell Design	MFGT1413	3.0	FA SEM	
MFGT2643	Engineering Statics & Strength of Mat.	PHYS1017, or PHYS1150	4.5	FA SEM	
MFGT2672	Mechanisms	MFGT1250	4.5	FA SEM	
Total Credits – 5th Quarter			19.5		
SECOND SEMESTER Jan. 2020					
MFGT2549	Quality Assurance & SPC	MATH1050	4.5	SP20 SEM.	
MFGT2625	Robotics & Industrial Automation	MFGT2620, MFGT1333	4.5	SP20 SEM.	
MFGT2635	Plastics: Design & Engineering	None	4.5	SP20 SEM.	
MFGT2668	Product & Machine Design	PHYS1017 or PHYS 1150, MFGT2559, MFGT2670	3.5	SP20 SEM.	
SPCH1110	Public Speaking	Eligible for ENGL1010	4.5	SP20 SEM.	
Total Credits – 6th Quarter			21.5		
Total Program Quarter Credit Hours			117		

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SCC establishes new transfer option

Students who graduate from Southeast Community College with a degree in manufacturing engineering technology will be able to transfer and earn a bachelor's degree in the same program at Missouri Western State University, thanks to a document of articulation recently signed by officials from both schools.

The Manufacturing Engineering Technology program is on SCC's Milford campus.

Effective immediately, students who earn an associate of applied science degree in manufacturing engineering technology at SCC will be able to transfer up to 90 hours to Missouri Western and earn a Bachelor of Science degree in Manufacturing Engineering Technology from the St. Joseph, Mo., university.

Dr. Dennis Headrick, vice president for instruction at

SCC, said institutions working together to benefit students is what higher education should be about.

"We appreciate colleges and universities that are willing to work with SCC to provide students in our vocational programs opportunities to continue their education," Headrick said. "In many cases the opportunity allows students to explore advanced opportunities beyond what our associate degree will provide them."

Mark Eilers, chair/instructor of SCC's manufacturing engineering technology program, said he was pleased the two schools could reach an agreement.

"Missouri Western has been great to work with, and through the work we have done together, I find comfort knowing that our graduates will be well taken care

of," Eilers said.

Dr. Robert Vartabedian, Missouri Western president, said his school was looking forward to working with SCC.

"We're pleased to partner with SCC, which has an outstanding manufacturing engineering technology program," Vartabedian said.

Dr. George Yang, chair of Western's Department of Engineering Technology, said the agreement was a win-win for both schools.

"Graduates from our program qualify for jobs related to production, process and productivity improvement and process design," Yang said. "They also qualify for supervisory and managerial positions in plant en-

gineering. Our graduates have a strong and broad foundation that enables them to perform well in any field in which application of manufacturing principles is required."

For Nebraska transfer students who have achieved a minimum 3.0 grade-point average, Missouri Western provides the opportunity for in-state tuition through the Neighboring States Scholarship program.

Current annual in-state tuition and fees is less than \$6,000, and the scholarship is renewable.

Missouri Western, with the newest campus of the four-year state universities, has a growing enrollment of more than 6,200 students and offers 107 bachelor's degree programs.